

TABLE NO. 2	
SIZE OF PIPE	INCREASE "A"
8"	SEE TABLE NO. 1
10"	1"
12"	2"
14"	3"
16"	4"
18"	5"
20"	6"
21"	7"
24"	8"

**NOTES:**

1. FOOTINGS SHALL BE ON FIRM EARTH BELOW DANGER OF SCOUR.
2. EXCAVATION SHALL BE APPROVED BY THE ENGINEER BEFORE CONCRETE IS PLACED.
3. AT CONSTRUCTION JOINTS, THE CONCRETE SHALL BE LEFT ROUGH, AND SHALL BE THOROUGHLY CLEANED BEFORE NEW CONCRETE IS PLACED.
4. ALL MATERIAL AND WORKMANSHIP SHALL BE OF BEST QUALITY, AND SUBJECT TO THE APPROVAL OF THE CHIEF OF CONSTRUCTION.
5. PIERS ARE DESIGNED TO SUPPORT 8" PIPE AND SUBMERGED IN WATER FLOWING 9 FEET PER SECOND.
6. MAXIMUM SPANS FOR 8" PIPE: 30'-0" FOR END SPANS;  
40'-0" FOR INTERMEDIATE SPANS.
7. PIPE SHALL BE CONTINUOUS FOR FULL LENGTH OF CROSSING, WITH JOINTS WELDED TO DEVELOP FULL STRENGTH OF PIPE.
8. MAXIMUM STRESS IN CONCRETE-950 P.S.I. IN REINFORCING-18000 P.S.I.
9. MAXIMUM FOUNDATION PRESSURE: 1000 P.S.F.

THIS DETAIL WAS TAKEN FROM THE CITY OF ATLANTA'S WEBSITE. IT MAY HAVE BEEN MODIFIED AND SHOULD BE REVIEWED THOROUGHLY.

City of Atlanta



## STANDARD DETAILS

### STANDARD CUT-WATER PIERS 6 OF 6

REV.

DATE: SEPT 2011

ORIG. DATE: JULY 1984

SCALE: N.T.S.

DETAIL NO. WR-G\_PR002